# BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division,

No. BBMP/EE/DD/Ten/03/2013-14, Date: 16.08.2016 ITEM NO : 05

SCHEDULE – B

NAME OF WORK: Modified Estimate for Improvements to main & Cross roads at Ayimatha Temple Raod, in ward No.13, in Shettyhalli Sub Division. (2nd Call)

| SL. NO. | Description of work | Unit | Qty | Rates Quoted by Contractor G. Aswathappa | |
|---|---|---|---|---|---|
| | | | | In Figures (Rs) | I Words (Rs) |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average life upto 0.5 m, excavated surface leveled and sides neatly dressed the disposed earth to be leveled neatly after breaking of clods complete as per the direction of Engineer-in-charge of the work. | Cum | 243.90 | 250.0 | Rupees Two Hundred Fifty Only |
| 2 | Providing and laying in position plain cement concrete of nominal mix M 10 with OPC cement @ 330kgs, with 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per the direction of Engineer-in-charge of the work. | Cum | 36.59 | 5000.00 | Rupees Five Thousand only |
| 3 | Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement@320kgs, with 20mm and down size graded granite metal, coarse aggregate @ 0.69 cum and fine aggregates @ .460cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reaffirmed -2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestals, retaining walls, staircase, retaining walls. Return walls, walls (any thickness) including attached plasters, columns, piers abutments. Pillars, posts struts, buttresses, string or lacing courses, parapets, bed blocks, anchor blocks, | Cum | 97.56 | 4,500.00 | Rupees Four Thousand Five Hundred only |

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike,
Dasarahalli Division, Bangalore-57.

G. Aswathappa

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| | plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per the direction of Engineer-in- charge of the work. | | | | |
| 4 | Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding to the adjoining members wherever necessary complete as per design(laps, hooks, and wastage shall not be measured and paid) cost of material , labour, HOM of machinery complete a per the direction of Engineer-in-charge of the work. | Cum | 53.66 | 7,200.00 | Rupees Seven Thousand Two Hundred only |
| 5 | Providing and removing centering, shuttering, strutting, propping etc., and removal of from work for vertical surface such a walss at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per the direction of Engineer-in-charge of the work. | Cum | 776.00 | 400.00 | Rupees Four Hundred Only |
| 6 | Providing & laying reinforced cement precast slabs of mix CC 1:11/2:3 using 20mm and down size graded Granit metal using HYSD 10 mm dia steel@100mm c/c both ways & complete as per the direction of Engineer-in-charge of the work. | Cum | 240.30 | 1600.00 | Rupees One Thousand Six Hundred only |
| 7 | Earthwork excavation and forming in embankment by manual means in ordinary soil (when earth id taken from bank cutting or from borrow pits) including braking of clods, spreading to required line and level forming and cost of all labour complete as per specification (Excluding water and compaction of earth (with all lead and lift) complete as per the direction of Engineer-in-charge of the work. | Cum | 75.50 | 200.00 | Rupees Two Hundred only |
| 8 | Providing Granite slabs selected quality roughly dressed and fixed in cement mortar (1.6) including fixing curing etc., complete 7.5 cms thick complete as per the direction of Engineer-in-charge of the work. | Cum | | | |
| 9 | Construction of granular sub base of grading II material by providing close graded material in a mechanic mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibrator power roller to achieve the desired density, complete as per the | Cum | | | |

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike,
Division, Bangalore-53

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| | specification. A plant mix method complete as per the direction of Engineer-in-charge of the work. | | | | |
| 10 | Compaction of original ground with maximum of 6 passes of 8 to 10 power roller including filling in depression occurring during rolling including cost of all labour, HOM of machinery complete as per the specification complete as per the direction of Engineer-in-charge of the work. | Cum | 302.00 | 6.00 | Rupees Six Only |
| 11 | Providing , laying ,spreading and compacting graded stone aggregates to wet mix macadam specification including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base /base course on well prepared the desired density complete as per specification. Specification No. 406 with all leads and lifts etc., complete as the direction of Engineer-in-charge of the work. | Cum | 60.40 | 1400.00 | Rupees One Thousand Four Hundred Only |
| 12 | Providing and applying primer coat with S.S Bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.6 kg / sqm leads and lift etc., complete as per the direction of Engineer-in-charge of the work. | Cum | 302.00 | 32.00 | Rupees Thirty Two Only |
| 13 | Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per the direction of Engineer-in-charge of the work. | Cum | 1533.0 | 5.00 | Rupees Five Only |
| 14 | Providing and applying tack coat on the prepared black topped surface at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set(excluding cleaning of road surface) including cost of all materials, labou, HOM of machineries complete as per the direction of Engineer-in-charge of the work. | Cum | 1533.0 | 40.00 | Rupees Fourty only |
| 15 | Providing and laying bituminous concrete 30- 40mm thickness Hot Mix Plant Using using crushed aggregates of specified grading, premixed with bituminous binder at mix filler, transporting, the hot mix | Cum | 61.52 | 6000.00 | Rupees Six Thousand Only |

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike,
Dasarahalli Division, Bangalore-57.

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| | to work to site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled vibratory and ttandem rollers to achieve the desired compaction as per morth specificationclause | | | | |
| 16 | Carriage of mixed materials 10 Kms For item of SL.no 4. Rs. 5.20 per cum/km complete as per the direction of Engineer-in-charge of the work | Cum | 53.66 | 100.00 | Rupees Hundred Only |
| 17 | Display of debris to the final place of disposal with all lead and lift and as direction by the engineer of charge of the work, lead 10 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1….. Rs. 2.00 Tonne/Km B) average earth of work 1.28 Tonne/Km for Rs 2.00/Km c) add loading and unloading complete as per the direction of Engineer-in-charge of the work. | Cum | 243.90 | 170.00 | Rupees One Hundred Seventy Only |

**Signature of the Contractor**

**Executive Engineer**

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike,
Dasarahalli Division, Bangalore-57

# Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

**Name of Work: Modified Estimate For Improvements and Asphalting to Main & crossRoads at Ayinatha temple road in Ward no. 13, in Shettyhalli Sub-Division.**

*Est .Cost Rs. 23.60Lakhs*

| Sl No | Description of Items | Unit | No. | L. | B. | D | Qty. | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | KSRRB 300-1: Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH/ Chapter 3. Page No. 141/ Item No. 19.1/ PWD SR 2015-16 | | | | | | | | |
| | Main road | | 2 | 78.50 | 0.90 | 1.00 | 141.30 | | |
| | cross road | | 3 | 38.00 | 0.90 | 1.00 | 102.60 | | |
| | | | | | | | **243.90** | | |
| | | | | | | **Qty up to 125%** | **182.25** | 250.00 | **45563.00** |
| | | | | | | **Qty Above 125%** | **61.65** | 250.00 | **15413.00** |
| 2 | KSRB 4-1.2: Providing and laying in position plain cement concrete of nominal mix M 10 with OPC cement @ 220kgs, with 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2 Page No. 12/ Item No. 4.2/ PWD SR 2015-16 | | | | | | | | |
| | Main road | | 2 | 78.50 | 0.90 | 0.15 | 21.20 | | |
| | cross road | | 3 | 38.00 | 0.90 | 0.15 | 15.39 | | |
| | | | | | | | **36.59** | | |
| | | | | | | **Qty up to 125%** | **30.37** | 5000.00 | **151850.00** |
| | | | | | | **Qty Above 125%** | **6.22** | 5000.00 | **31075.00** |
| 3 | KSRB 4.2.2 :Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications Page No. 13/ Item No.4.12 PWD SR 2015-16 | | | | | | | | |
| | Raft | | 2 | 78.50 | 0.90 | 0.15 | 21.20 | | |
| | Side wall | | 4 | 78.50 | 0.15 | 0.75 | 35.33 | | |
| | Raft | | 3 | 38.00 | 0.90 | 0.15 | 15.39 | | |
| | Side wall | | 6 | 38.00 | 0.15 | 0.75 | 25.65 | | |
| | | | | | | | **97.56** | | |
| | | | | | | **Qty up to 125%** | **84.37** | 4500.00 | **379665.00** |
| | | | | | | **Qty Above 125%** | **13.19** | 4500.00 | **59355.00** |

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|---|---|---|---|---|---|---|---|---|---|
| | KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No.17/ Item No. 4.46/ PWD SR 2015-16 TMTBars FE 500 | | | | | | | | |
| | | Qtls | | 97.56 | | 55.00 | 5365.80 | | |
| | | | | | | | 53.66 | | |
| | | | | | | **Qty up to 125%** | **50.60** | 7200.00 | **364320.00** |
| | | | | | | **Qty Above 125%** | **3.06** | 7200.00 | **22018.00** |
| 5 | KSRB 4-6.9: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walss at any thickness,including attached pilasters,buttresses, plinth and string courses cost of all materials, labour complete as per specification. Specification No. KSRB 4.6.9. exceeding 1m in depth. Page No. 15/ Item No. 4.31/ PWD SR 2015-16 | | | | | | | | |
| | | Sqm | 8 | 78.50 | | 0.80 | 502.40 | | |
| | | | 9 | 38.00 | | 0.80 | 273.60 | | |
| | | | | | | | **776.00** | | |
| | | | | | | **Qty up to 125%** | **360.00** | 400.00 | **144000.00** |
| | | | | | | **Qty Above 125%** | **416.00** | 400.00 | **166400.00** |
| 6 | Providing & laying reinforeced cement precast slabs of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications. | | | | | | | | |
| | | Sqm | 2 | 78.00 | 0.90 | | 140.40 | | |
| | | | 3 | 37.00 | 0.90 | | 99.90 | | |
| | | | | | | | **240.30** | | |
| | | | | | | **Qty up to 125%** | **148.50** | 1600.00 | **237600.00** |
| | | | | | | **Qty Above 125%** | **91.80** | 1600.00 | **146880.00** |
| 7 | Earthwork excavation and forming in embankment by manual means in ordinary soil (When earth is taken from bank cutting or from borrow pits ) including breaking of clods, spreading to required line and level, forming, and cost of all labour complete as per specifications. (excluding watering and compaction of earth ) (with all lead and lift) MORTH I Chapter 3 Page No.142/ Item No.19.3/ PWD SR 2015-16 | | | | | | | | |
| | Main Road | Cum | 1 | 90.00 | 1.00 | 0.25 | 22.50 | | |
| | | | 4 | 35.00 | 1.00 | 0.25 | 35.00 | | |
| | Road Cuttings | | 12 | 6.00 | 1.00 | 0.25 | 18.00 | | |
| | | | | | | | **75.50** | | |
| | | | | | | **Qty up to 125%** | **75.50** | 200.00 | **15100.00** |
| 8 | Providing Granite slabs selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete 7.5 cms thick Page No. 25/ Item No. 5.31.1/ PWD SR 2015-16 | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | 0.00 | 0.00 | **0.00** |
| | | | | | | | | | |
| 9 | construction of granular sub base of grading II material by providing close graded material,mixing in a mechanic mix plant at OMC, carriage of mixed material to work site,spreading in uniform layers with motor grader on prepared surface and compacting with vibrator power roller to achieve the desired density,complete as per the specification .A plant mix method (pg no-151,i.no-20.42 PWD SR) | | | | | | | | |
| | | Cum | | | | | | | |
| | | | | | | | **0.00** | | |

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|---|---|---|---|---|---|---|---|---|---|
| 10 | KSRRB 300-58. compaction of original ground with maximum of 6 passes of 8to10 tonnes power roller including filling in depression occuring during rolling including cost of all labour ,HOM of machinery complete as per the specification MORTH/ chapter pg no-145,item no-19.64 of PWD SR 15-16 | | | | | | | | |
| | Main Road | Sqm | 1 | 90.00 | 1.00 | | 90.00 | | |
| | | | 4 | 35.00 | 1.00 | | 140.00 | | |
| | Road Cuttings | | 12 | 6.00 | 1.00 | | 72.00 | | |
| | | | | | | | **302.00** | | |
| | | | | | | **Qty up to 125%** | **302.00** | 6.00 | **1812.00** |
| 11 | Providing, laying, spreading and compacting graded stone aggregates to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. Specification No. 406 with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.( PWD SR 2015-16, P.No.154, I No.20.18) | | | | | | | | |
| | Main Road | Cum | 1 | 90.00 | 1.00 | 0.20 | 18.00 | | |
| | | | 4 | 35.00 | 1.00 | 0.20 | 28.00 | | |
| | Road Cuttings | | 12 | 6.00 | 1.00 | 0.20 | 14.40 | | |
| | | | | | | | **60.40** | | |
| | | | | | | **Qty up to 125%** | **60.40** | 1400.00 | **84560.00** |
| 12 | Providing and applying primer coat with S.S. Bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.6 kg / sqm using mechanical means complete as per specifications, with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.( PWDSR 2015-16, P.No.157, I No.21.6) | | | | | | | | |
| | | Sqm | 1 | 90.00 | 1.00 | | 90.00 | | |
| | | | 4 | 35.00 | 1.00 | | 140.00 | | |
| | Road Cuttings | | 12 | 6.00 | 1.00 | | 72.00 | | |
| | | | | | | | **302.00** | | |
| | | | | | | **Qty up to 125%** | **302.00** | 32.00 | **9664.00** |
| 13 | Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous tratement including cost of all materials, labour, HOM of machineries complete as per specificationsEngineer-in-charge of the work ( PWDSR 2015-16, P.No.157, I No.21.20) | | | | | | | | |
| | Main Road | Sqm | 1 | 90.00 | 7.50 | | 675.00 | | |
| | Cross roads | | 4 | 39.00 | 5.50 | | 858.00 | | |
| | | | | | | | **1533.00** | | |
| | | | | | | **Qty up to 125%** | **1533.00** | 5.00 | **7665.00** |
| 14 | Providing and applying tack coat on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (exlcuding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications Engineer-in-charge of the work ( PWDSR 2015-16, P.No.157, I No.21.7) | | | | | | | | |
| | | Sqm | 1 | 90.00 | 7.50 | | 675.00 | | |
| | | | 4 | 39.00 | 5.50 | | 858.00 | | |
| | | | | | | | **1533.00** | | |
| | | | | | | Qty up to 125% | **1533.00** | 40.00 | **61320.00** |

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|---|---|---|---|---|---|---|---|---|---|
| 15 | Providing and laying bituminous concrete 30 - 40mm thickness Hot Mix Plant Usig using crushed aggregates of specified grading, premixed with bituminous binder at mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled vibratory and ttandem rollers to achieve the desired compaction as per MoRTH specification clause No. 500.9 complete in all respects with using 40 / 60 TPH Capacity With Sensor Paver Gr-II (30-45 mm ) With 6% VG-30 bitumen with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. ( PWDSR 2015-16, P.No.164, I No. 21.22.4) | | | | | | | | |
| | | Cum | 1 | 90.00 | 7.50 | 0.04 | 27.00 | | |
| | | | 4 | 39.00 | 5.50 | 0.04 | 34.32 | | |
| | Chamber Correction | | | | | | 0.20 | | |
| | | | | | | | **61.52** | | |
| | | | | | | **Qty up to 125%** | **61.52** | 6000.00 | **369120.00** |
| 16 | KSRRB 400-2.4: Carriage of mixed materials 10 Kms, For items of Sl.no 4. Rs. 5.20 per cum/km Page no 155/ PWD SR 2015-16 | | | | | | Cum | | |
| | Qty 4 | | | | | | **53.66** | | |
| | | | | | | **Qty up to 125%** | **53.66** | 100.00 | **5366.00** |
| 17 | Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 68.00 (P.133 I.18.57/1) 2015-16 | | | | | | | | |
| | | | | | | | **243.90** | | |
| | | | | | | **Qty up to 125%** | **243.90** | 170.00 | **41463.00** |
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| | | | | | | | | | |
| | | | | | | | | **Total** | **2360209.00** |

**(RupeesTwenty Three Lakhs SixtyThousand Two Hundred and Nine Only)**

**CERTIFICATE**

1 The work sport has been inspected and the work found to be necessary
2 This estimate is prepared as per the PWD S.R of 2015-16
3 The provisions made in estimate are adequate and essential
4 This area comes under BBMP limits

**Asst. Engineer**
Ward No-13

**Asst.Executive Engineer**
Shettyhalli Sub-Division
BBMP

**Executive Engineer**
Dasarahalli Zone
BBMP

ನಂ. CE/TS/1440/16-17 ದಿನಾಂಕ : 16/03/17
ರೂ. ಇಪ್ಪತ್ತೈದು ಲಕ್ಷಗಳು ಮಾತ್ರ /-
Rs. Twenty five lakh only /-
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

BRUHATH BANGALORE MAHANAGARA PALIKE

**Work SLIP P.W.G.71**

***Name of work*** : Comparative statement work slip Qty. of Modified Estimate For Improvements and Asphalting to Main & crossRoads at Ayimatha temple road in Ward no. 13, in Shettyhalli Sub-Division.

***Work order No*** - EE/DD/WO/98/16-17. Date:23.12.2016 ***Work Code/Job Code*** :013-16-000036

***Name of Agency*** :- Sri. G Ashwathappa ***Estimated cost***:- Rs. 25.00 Lakhs

| Sl. no | Description of work | Unit | As per sanction estimate | | | As per sanction and tender Quoted rates | | | Net qty. executed (revege | Up to 125% Quantity | | | Above 125% Quantity new SR 2015-16 | | | Amount | Savings | Excess |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Qty. | Rate | Amount | Qty | Rate | Amount | | Qty | Rate | Amount | Qty. | Rate | Amount | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 1 | KSRRB 300-1: Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift | Cum | **145.80** | 83.16 | **12,124.73** | **145.80** | 250.00 | **36450.00** | **243.90** | 182.25 | 250.00 | **45562.50** | 61.65 | 250.00 | **15412.50** | | | |
| 2 | KSRB 4-1.2: Providing and laying in position plain cement concrete of nominal mix M 10 with OPC cement @ 220kgs, with 40mm and down size graded granite | Cum | **24.30** | 5,139.94 | **124,900.54** | 24.30 | 5000.00 | **121500.00** | **36.59** | 30.37 | 5000.00 | **151850.00** | 6.22 | 5000.00 | **31075.00** | | | |
| 3 | KSRB 4.2.2 :Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite | Cum | **67.50** | 6,083.34 | **410,625.45** | **67.50** | 4500.00 | **303750.00** | **97.56** | 84.37 | 4500.00 | **379665.00** | 13.19 | 4500.00 | **59355.00** | | | |
| 4 | KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or | Qtl | **40.50** | 6,851.31 | **277,478.06** | **40.50** | 7200.00 | **291600.00** | **53.66** | 50.60 | 7200.00 | **364320.00** | 3.06 | 7200.00 | **22017.60** | | | |
| 5 | KSRB 4-6.9: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walss at any thickness including | Sqm | **288.00** | 301.04 | **86,699.52** | **288.00** | 400.00 | **115200.00** | **776.00** | 360.00 | 400.00 | **144000.00** | 416.00 | 400.00 | **166400.00** | | | |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | Providing & laying reinforeced cement precast slabs of mix CC 1.11/2.3 using 20mm & down size graded Granite metal using | Sqm | **118.80** | 1,600.00 | **190,080.00** | **118.80** | 1600.00 | **190080.00** | **240.30** | 148.50 | 1600.00 | **237600.00** | 91.80 | 1600.00 | **146880.00** | | | |
| 7 | Earthwork excavation and forming in embankment by manual means in ordinary soil (When earth is taken from bank cutting or from borrow pits ) including | Cum | **378.00** | 159.84 | **60,419.52** | **378.00** | 200.00 | **75600.00** | **75.50** | 75.50 | 200.00 | **15100.00** | | | | | | |
| 8 | Providing Granite slabs selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete 7.5 cms thick Page No. 25/ Item | Sqm | **324.00** | 650.84 | **210,872.16** | **324.00** | 600.00 | **194400.00** | **0.00** | 0.00 | 0.00 | **0.00** | | | | | | |
| 9 | construction of granular sub base of grading II material by providing close graded material,mixing in a mechanic mix plant at OMC, carriage of mixed material to | Cum | **78.75** | 1,622.16 | **127,745.10** | **78.75** | 900.00 | **70875.00** | **0.00** | 0.00 | 900.00 | **0.00** | | | | | | |
| 10 | KSRRB 300-58. compaction of original ground with maximum of 6 passes of 8to10 tonnes power roller including filling in depression occuring during rolling including cost of all labour | Sqm | **525.00** | 4.64 | **2,436.00** | **525.00** | 6.00 | **3150.00** | **302.00** | 302.00 | 6.00 | **1812.00** | | | | | | |
| 11 | Providing, laying, spreading and compacting graded stone aggregates to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant | Cum | **130.50** | 1,713.96 | **223,671.78** | **130.50** | 1400.00 | **182700.00** | **60.40** | 60.40 | 1400.00 | **84560.00** | | | | | | |
| 12 | Providing and applying primer coat with S.S. Bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.6 kg / sqm using mechanical means complete as per | Sqm | **540.00** | 32.40 | **17,496.00** | **540.00** | 32.00 | **17280.00** | **302.00** | 302.00 | 32.00 | **9664.00** | | | | | | |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous tratement including cost of all materials, labour, HOM of machineries complete as per specificationsEngineer- | Sqm | **800.00** | 3.24 | 2,592.00 | **800.00** | 5.00 | **4000.00** | **1533.00** | 1533.00 | 5.00 | **7665.00** | | | | | | |
| 14 | Providing and applying tack coat on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (exlcuding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications Engineer- | Sqm | **1346.00** | 15.12 | 20,351.52 | **1346.00** | 40.00 | **53840.00** | **1533.00** | 1533.00 | 40.00 | **61320.00** | | | | | | |
| 15 | Providing and laying bituminous concrete 30 - 40mm thickness Hot Mix Plant Usig using crushed aggregates of specified grading, premixed with bituminous binder at mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled vibratory and ttandem rollers to | Cum | **53.84** | 9,880.92 | **531,988.73** | **53.84** | 6000.00 | **323040.00** | **61.52** | 61.52 | 6000.00 | **369120.00** | | | | | | |
| 16 | KSRRB 400-2 4 Carriage of mixed materials 10 Kms, For items of Sl.no 4. Rs. 5.20 per cum/km Page no 155/ PWD SR 2015-16 | Cum | **184.34** | 78.57 | **14,483.59** | **184.34** | 100.00 | **18434.00** | **53.66** | 53.66 | 100.00 | **5365.80** | | | | | | |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17 | Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 68.00 (P.133 I.18.57/1) 2015-16 | Cum | **303.30** | 78.97 | **23,951.60** | **303.30** | 170.00 | **51561.00** | **243.90** | 243.90 | 170.00 | **41463.00** | | | **441140.10** | | | |
| | **Total Rs.** | | | | **2337916.30** | | | **2053460.00** | | | | **1919067.30** | | | | | | |
| | | | | | | | | a | | | | | | | | b | d | c |

**The difference between**

| **Schedule "B" Quoted** | - | **(Upto 125% + above 125% Qty.)** | **Total** |
|---|---|---|---|
| Rs. 2053460.00 | - | 1919067.30 | 441140.10 **2360207.40** |

**The difference between**

| **Excess** | - | **Savings** | |
|---|---|---|---|
| Rs. 306747.40 | - | 0.00 | = |

Asst.Engineer
Shettyhalli sub-division
Ward No-13

Asst. Exe. Engineer
Shettyhalli sub-Division
BBMP, Bangalore

Executive Engineer
Dasarahalli Division
BBMP, Bangalore

"APPROVED"

Chief Engineer
Dasarahalli Zone
BBMP, Bangalore

Note: **Work Slip of Amounting to Rs.2360209.00 Which is 14.94% above the tender amount and 5.59% below the estimated cost.**